IN THE CLAIMS

Please amend the claims as follows:

Claims 1-17 (Cancelled)

Claim 18 (New) A call admission control method in a communications system configured to support calls of a plurality of services having mutually different degrees of priority, comprising:

receiving a call having a service type;

comparing a measured resource use condition with a first and a second admission threshold value so as to obtain a first and a second comparison result;

selecting one of the first and second comparison result on the basis the service type; and

admitting or not admitting the call on the basis of the selected comparison result.

Claim 19 (New) The call admission control method of Claim 18, wherein

the service type is one of a priority and a non-priority service type;

the first and second admission thresholds correspond to one of the priority and non-priority service type, respectively; and

the first admission threshold is higher that the second admission threshold.

Claim 20 (New) The call admission control method of Claim 19, wherein

the priority service type corresponds to a circuit switching service; and

the non-priority service type corresponds to a packet switching service.

Claim 21 (New) The call admission control method of Claim 18, wherein

the communications system comprises one of a FDMA system and a TDMA system, and

the method further comprises monitoring at least one of a number of channels and a number of wireless devices active within the communications system.

Claim 22 (New) The call admission control method of Claim 18, wherein

the communications system comprises a CDMA system, and

the method further comprises monitoring at least one of an amount of up-link interference, a down-link transmission power, a number of calling devices and a number of spreading codes.

Claim 23 (New) A call admission control method in a communications system configured to support calls of a plurality of services having mutually different degrees of priority, comprising:

receiving a call having a service type;

selecting an admission threshold value from a set of at least two threshold values on the basis the service type;

comparing a measured resource use condition with the selected admission threshold value so as to obtain a comparison result; and

admitting or not admitting the call on the basis of the comparison result.

Claim 24 (New) The call admission control method of Claim 23, wherein

the service type is one of a priority and a non-priority service type;

the first and second admission thresholds correspond to one of the priority and non-priority service type, respectively; and

the first admission threshold is higher that the second admission threshold.

Claim 25 (New) The call admission control method of Claim 24, wherein

the priority service type corresponds to a circuit switching service; and

the non-priority service type corresponds to a packet switching service.

Claim 26 (New) The call admission control method of Claim 23, wherein

the communications system comprises one of a FDMA system and a TDMA system, and

the method further comprises monitoring at least one of a number of channels and a number of wireless devices active within the communications system.

Claim 27 (New) The call admission control method of Claim 23, wherein

the communications system comprises a CDMA system, and

the method further comprises monitoring at least one of an amount of up-link interference, a down-link transmission power, a number of calling devices and a number of spreading codes.

Claim 28 (New) A call admission control device within a communications system configured to support calls of a plurality of services having mutually different degrees of priority, comprising:

a transmit/receive device configured to receive a call having a service type;

a service identification device connected to the transmit/receive device and configured to identify the service type;

a resource measurement device connected to the transmit/receive device and configured to measure a resource use condition;

first and second comparators connected in parallel to the resource measurement device, the first and second comparators configured to compare the measured resource use condition with a first and second threshold, respectively, and to output a respective first and second comparison result;

a comparison result selector connected to each of the service identification device, the first comparator, and the second comparator, the comparison result selector configured to select one of the first and second comparison result on the basis the service type; and

a call admission control device connecting the comparison result selector to the transmit/receive device and configured to admit or not admit the call on the basis of the selected comparison result.

Claim 29 (New) The call admission control device of Claim 28, wherein

the service type is one of a priority and a non-priority service type;

the first and second admission thresholds correspond to one of the priority and non-priority service type, respectively; and

the first admission threshold is higher that the second admission threshold.

Claim 30 (New) The call admission control device of Claim 29, wherein

the priority service type corresponds to a circuit switching service; and

the non-priority service type corresponds to a packet switching service.

Claim 31 (New) The call admission control device of Claim 28, wherein

the communications system comprises one of a FDMA system and a TDMA system, and

the device further comprises a monitor configured to monitor at least one of a number of channels and a number of wireless devices active within the communications system.

Claim 32 (New) The call admission control device of Claim 28, wherein

the communications system comprises a CDMA system, and

the call admission control device further comprises a monitor configured to monitor at least one of an amount of up-link interference, a down-link transmission power, a number of wireless devices active within the communications system, and a number of spreading codes.

Claim 33 (New) A call admission control device within a communications system configured to support calls of a plurality of services having mutually different degrees of priority, comprising:

a transmit/receive device configured to receive a call having a service type;

a service identification device connected to the transmit/receive device and configured to identify the service type;

a resource measurement device connected to the transmit/receive device and configured to measure a resource use condition;

a threshold value selector connected to the service identification device and configured to select a threshold value from a set of at least two thresholds based on the service type;

a comparator connected to the resource measurement device and the threshold value selector, the comparator configured to compare the measured resource use condition with a selected threshold, respectively, and to output a comparison result; and

a call admission control device connecting the comparator to the transmit/receive device and configured to admit or not admit the call on the basis of the comparison result.

Claim 34 (New) The call admission control device of Claim 33, wherein

the service type is one of a priority and a non-priority service type;

the first and second admission thresholds correspond to one of the priority and non-priority service type, respectively; and

the first admission threshold is higher that the second admission threshold.

Claim 35 (New) The call admission control device of Claim 34, wherein

the priority service type corresponds to a circuit switching service; and

the non-priority service type corresponds to a packet switching service.

Claim 36 (New) The call admission control device of Claim 33, wherein

the communications system comprises one of a FDMA system and a TDMA system, and

the device further comprises a monitor configured to monitor at least one of a number of channels and a number of wireless devices active within the communications system.

Claim 37 (New) The call admission control device of Claim 33, wherein

the communications system comprises a CDMA system, and

the call admission control device further comprises a monitor configured to monitor at least one of an amount of up-link interference, a down-link transmission power, a number of wireless devices active within the communications system, and a number of spreading codes.

Claim 38 (New) A call admission control device in a communications system configured to support calls of a plurality of services having mutually different degrees of priority, comprising:

means for receiving a call having a service type;

means for comparing a measured resource use condition with a first and a second admission threshold value so as to obtain a first and second comparison result;

means for selecting one of the first and second comparison result on the basis the service type; and

means for admitting or not admitting the call on the basis of the selected comparison result.

Claim 39 (New) A call admission control device in a communications system configured to support calls of a plurality of services having mutually different degrees of priority, comprising:

means for receiving a call having a service type;

means for selecting an admission threshold value from a set of at least two threshold values on the basis the service type;

means for comparing a measured resource use condition with the selected admission threshold value so as to obtain a comparison result; and

means for admitting or not admitting the call on the basis of the comparison result.

Claim 40 (New) A base station, comprising:

a call admission control device as recited in one of Claims 28, 33, 38 and 39.

Claim 41 (New) A computer program product, comprising instructions which, when executed, causes a computing device to execute the method as recited in one of Claims 18 and 23.